STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 115855
Permit No.
Basin 110C

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 67160

1. OWNER US Army Hawthorne Army Depot
MAILING ADDRESS 2 S Maine Ave. Hawthorne, NV 89415

ADDRESS AT WELL LOCATION Facility ID: HWAAP-115 IRP-MW-118
Hawthorne Army Depot Hawthorne, NV
Subdivision Name: County: Mineral

2. LOCATION NE ¼ NE ¼ Sec 13 T 08N N/S R 30 E
PERMIT/WAIVER No. (Issued by Water Resources) Parcel No.

Latitude 38.559176°N
Longitude 118.579383°W
UTM E N
[X] NAD 27
[ ] NAD 83/WGS 84

3. WORKED PERFORMED
[X] New Well [ ] Replace [ ] Recondition
[ ] Deepen [ ] Other

4. PROPOSED USE
[ ] Domestic [ ] Irrigation [ ] Test
[ ] Municipal/Industrial [X] Monitor [ ] Stock

5. WELL TYPE
[ ] Cable [ ] Rotary [ ] RVC
[ ] Air [X] Other Auger

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Sand, fine sands		0	60	60
Sands, silty mix		60	100	40
Sandy rock mix, 3/4" rock		100	125	25
Silty fine sands, flowing	140	125	155	30

Date started: 18-Sep, 20 12
Date completed: 19-Sep, 20 12

7. Water Level
Static water level: 140 feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: °F
Quality:

8. WELL TEST DATA
TEST METHOD: [ ] Bailer [ ] Pump [ ] Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

9. WELL CONSTRUCTION
Depth Drilled 155 Feet Depth Cased 155 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
10	Inches	0	Feet	155	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4		Sch 40	0	155

Perforations:
Type of perforation Slot
Size of perforation .010
From 135 feet to 155 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: [X] Yes [ ] No
[ ] Neat Cement to [ ] Pumped [ ] Poured
[X] Cement Grout 0 to 131 [X] Pumped [ ] Poured
[ ] Concrete Grout to [ ] Pumped [ ] Poured
[ ] ≥30% Bentonite Grout to [ ] Pumped [ ] Poured

Gravel Pack: [X] Yes [ ] No 133 to 155 [ ] Pumped [X] Poured
Type: 2/12
Bentonite Chips: [X] Yes [ ] No 131 to 133 [ ] Pumped [X] Poured
Type: Medium Chips

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Cascade Drilling, L.P. (Contractor)
Address 3632 Omec Circle (Contractor)
Rancho Cordova, CA 95742
Nevada contractor's license number issued by the *State Contractor's Board* 0073966
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2467
Signed (By driller performing actual drilling on site or contractor)
Date 2-Nov-12

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

RECEIVED 2012 NOV 7 AM 11:12 STATE ENGINEER'S OFFICE